

### REMARKS

Claims 33-34, 38, 41-42, 48-49, 54-66, and 70-83 were pending in the present application. Claims 1-32, 35-37, 39-40, 43-47, 50-53, 67-69, and 84-87 were previously canceled. By virtue of this response, new Claims 88-111 have been added, and Claims 33-34, 38, 41-42, 48-49, 54-66, and 70-83 have been canceled. Accordingly, Claims 88-111 are currently under consideration. Support for the new claims is found in the specification and claims as filed. Amendments of certain claims are not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented. Applicants reserve the ability to pursue the canceled claims, or similar claims, in one or more continuing applications.

### *Claim Rejections – 35 U.S.C. § 103*

#### Claims 33, 34, 38, 41, 42, 48, 49, 54-66, and 70-83

Claims 33, 34, 38, 41, 42, 48, 49, 54-66, and 70-83 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Hogan Esch et al. U.S. 5,372,133 in view of Picha U.S. 5,706,807. Although Applicants do not necessarily agree with the propriety of the rejections set forth in the Office Action of December 8, 2009, Claims 33-34, 38, 41-42, 48-49, 54-66, and 70-83 have been canceled without prejudice, solely to facilitate prosecution of the new claims. Applicants reserve the ability to pursue the canceled claims, or similar claims, in one or more continuing patent applications.

### *New Claims*

#### Claims 88-111

New claims 88-111 have been added. Support in the originally filed specification for these claims is identified in the following table.

Claim	Support in the Originally Filed Specification
88	<i>e.g.</i> , Page 18, Lines 3-9 and Page 35, Lines 7-10
89	<i>e.g.</i> , Page 22, Lines 1-24
90	<i>e.g.</i> , Page 17, Line 20 – Page 18, Line 9
91	<i>e.g.</i> , Page 17, Line 20 – Page 18, Line 9

Claim	Support in the Originally Filed Specification
92	<i>e.g.</i> , Page 21, Line 23-25; Page 23, Lines 9-11; Page 23, Lines 23-25; and Page 23, Lines 12-15
93	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9
94	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9
95	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9
96	<i>e.g.</i> , Page 18, Lines 3-9; Figure 2; and Page 6, Lines 1-9
97	<i>e.g.</i> , Page 22, Lines 1-24
98	<i>e.g.</i> , Page 17, Line 20 – Page 18, Line 9
99	<i>e.g.</i> , Page 17, Line 20 – Page 18, Line 9
100	<i>e.g.</i> , Page 21, Line 23-25; Page 23, Lines 9-11; Page 23, Lines 23-25; and Page 23, Lines 12-15
101	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9
102	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9
103	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9
104	<i>e.g.</i> , Page 18, Lines 3-9; Figure 2; and Page 6, Lines 1-9
105	<i>e.g.</i> , Page 22, Lines 1-24
106	<i>e.g.</i> , Page 17, Line 20 – Page 18, Line 9
107	<i>e.g.</i> , Page 17, Line 20 – Page 18, Line 9
108	<i>e.g.</i> , Page 21, Line 23-25; Page 23, Lines 9-11; Page 23, Lines 23-25; and Page 23, Lines 12-15
109	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9
110	<i>e.g.</i> , Page 35, Lines 7-10
111	<i>e.g.</i> , Figure 2 and Page 6, Lines 1-9

Claim 88, from which Claims 89-95 depend, recites, *inter alia*, a glucose concentration measuring device with a membrane that comprises a silicone polymer, a polycarbonate, and a polyurethane, wherein the membrane is capable of exhibiting, at a glucose concentration of 400 mg/dL, no more than a 10% drop in sensor output over a range of pO<sub>2</sub> from about 150 mm Hg down to about 30 mm Hg. None of the art of record, alone or in combination, discloses a device with the aforementioned features. For at least this reason, Applicants submit that Claims 88-95 are distinguishable over the art of record.

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Claim 96, from which Claims 97-103 depend, recites, *inter alia*, a glucose concentration measuring device with a membrane that comprises a silicone polymer, a polycarbonate, and a polyurethane, and wherein at least 95% of glucose concentration values measured by the signal from the device are within 25% of one or more reference values over a useful life of the device. None of the art of record, alone or in combination, discloses a device with the aforementioned features. For at least this reason, Applicants submit that Claims 96-103 are distinguishable over the art of record.

Claim 104, from which Claims 105-111 depend, recites, *inter alia*, a glucose concentration measuring device with a membrane that comprises a silicone polymer, a polycarbonate, and a polyurethane, and wherein the device is configured to respond substantially linearly to changes in glucose concentration at a glucose concentration of up to about 500 mg/dL or more. None of the art of record, alone or in combination, discloses a device with the aforementioned features. For at least this reason, Applicants submit that Claims 104-111 are distinguishable over the art of record.

***Co-Pending Applications of Assignee***

Applicants wish to draw the Examiner's attention to the following patents and applications of the present application's assignee.

<b>Docket No.</b>	<b>Serial No.</b>	<b>Title</b>	<b>Filed</b>
DEXCOM.9CPDVC	07/122395	BIOLOGICAL FLUID MEASURING DEVICE	11/19/1987
DEXCOM.9CPDCP	07/216683	BIOLOGICAL FLUID MEASURING DEVICE	7/7/1988
DEXCOM.008A	08/811473	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	3/4/1997
DEXCOM.008DV1	09/447227	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	11/22/1999
DEXCOM.8DVC1	09/489588	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	1/21/2000
DEXCOM.8DVCP1	09/636369	SYSTEMS AND METHODS FOR REMOTE MONITORING AND MODULATION OF MEDICAL DEVICES	8/11/2000

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DEXCOM.006A	09/916386	MEMBRANE FOR USE WITH IMPLANTABLE DEVICES	7/27/2001
DEXCOM.8DVCP2	09/916858	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	7/27/2001
DEXCOM.010A	10/153356	TECHNIQUES TO IMPROVE POLYURETHANE MEMBRANES FOR IMPLANTABLE GLUCOSE SENSORS	5/22/2002
DEXCOM.024A	10/632537	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	8/1/2003
DEXCOM.026A	10/633329	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	8/1/2003
DEXCOM.016A	10/633367	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	8/1/2003
DEXCOM.025A	10/633404	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	8/1/2003
DEXCOM.011A	10/646333	OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR	8/22/2003
DEXCOM.012A	10/647065	POROUS MEMBRANES FOR USE WITH IMPLANTABLE DEVICES	8/22/2003
DEXCOM.027A	10/648849	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	8/22/2003
DEXCOM.8DVC1C1	10/657843	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	9/9/2003
DEXCOM.006C1	10/768889	MEMBRANE FOR USE WITH IMPLANTABLE DEVICES	1/29/2004
DEXCOM.037A	10/789359	INTEGRATED DELIVERY DEVICE FOR CONTINUOUS GLUCOSE SENSOR	2/26/2004
DEXCOM.045A	10/838658	IMPLANTABLE ANALYTE SENSOR	5/3/2004
DEXCOM.044A	10/838909	IMPLANTABLE ANALYTE SENSOR	5/3/2004
DEXCOM.012CP1	10/842716	BIOINTERFACE MEMBRANES INCORPORATING BIOACTIVE AGENTS	5/10/2004
DEXCOM.8DV1CP	10/846150	ANALYTE MEASURING DEVICE	5/14/2004
DEXCOM.021A	10/896639	OXYGEN ENHANCING MEMBRANE SYSTEMS FOR IMPLANTABLE DEVICES	7/21/2004

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DEXCOM.023A	10/897312	ELECTRODE SYSTEMS FOR ELECTROCHEMICAL SENSORS	7/21/2004
DEXCOM.022A	10/897377	ELECTROCHEMICAL SENSORS INCLUDING ELECTRODE SYSTEMS WITH INCREASED OXYGEN GENERATION	7/21/2004
DEXCOM.030A	10/991353	AFFINITY DOMAIN FOR ANALYTE SENSOR	11/16/2004
DEXCOM.032A	10/991966	INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR	11/17/2004
DEXCOM.038A	11/004561	CALIBRATION TECHNIQUES FOR A CONTINUOUS ANALYTE SENSOR	12/3/2004
DEXCOM.031A	11/007635	SYSTEMS AND METHODS FOR IMPROVING ELECTROCHEMICAL ANALYTE SENSORS	12/7/2004
DEXCOM.029A	11/007920	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	12/8/2004
DEXCOM.008DV1C	11/021046	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	12/22/2004
DEXCOM.007C1	11/021162	SENSOR HEAD FOR USE WITH IMPLANTABLE DEVICES	12/22/2004
DEXCOM.040A	11/034343	COMPOSITE MATERIAL FOR IMPLANTABLE DEVICE	1/11/2005
DEXCOM.024C1	11/038340	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	1/18/2005
DEXCOM.8DVCP2C	11/039269	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	1/19/2005
DEXCOM.034A	11/055779	BIOINTERFACE MEMBRANE WITH MACRO- AND MICRO-ARCHITECTURE	2/9/2005
DEXCOM.051A8	11/077643	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A5	11/077693	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A4	11/077713	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A6	11/077714	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A	11/077715	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A10	11/077739	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A11	11/077740	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005

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DEXCOM.050A	11/077759	TRANSCUTANEOUS MEDICAL DEVICE WITH VARIABLE STIFFNESS	3/10/2005
DEXCOM.051A7	11/077763	METHOD AND SYSTEMS FOR INSERTING A TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A12	11/077765	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A1	11/077883	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A9	11/078072	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.051A3	11/078232	TRANSCUTANEOUS ANALYTE SENSOR	3/10/2005
DEXCOM.061A1	11/157365	TRANSCUTANEOUS ANALYTE SENSOR	6/21/2005
DEXCOM.061A	11/157746	TRANSCUTANEOUS ANALYTE SENSOR	6/21/2005
DEXCOM.010DV1	11/280672	TECHNIQUES TO IMPROVE POLYURETHANE MEMBRANES FOR IMPLANTABLE GLUCOSE SENSORS	11/16/2005
DEXCOM.063A	11/333837	LOW OXYGEN IN VIVO ANALYTE SENSOR	1/17/2006
DEXCOM.061CP2	11/334876	TRANSCUTANEOUS ANALYTE SENSOR	1/18/2006
DEXCOM.058A	11/335879	CELLULOSIC-BASED INTERFERENCE DOMAIN FOR AN ANALYTE SENSOR	1/18/2006
DEXCOM.077A	11/360250	ANALYTE SENSOR	2/22/2006
DEXCOM.061CP3	11/360252	ANALYTE SENSOR	2/22/2006
DEXCOM.051CP1	11/360262	ANALYTE SENSOR	2/22/2006
DEXCOM.051CP2	11/360299	ANALYTE SENSOR	2/22/2006
DEXCOM.061CP4	11/360819	ANALYTE SENSOR	2/22/2006
DEXCOM.053A	11/373628	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA FOR SENSOR CALIBRATION	3/9/2006
DEXCOM.075A	11/404417	SILICONE BASED MEMBRANES FOR USE IN IMPLANTABLE GLUCOSE SENSORS	4/14/2006
DEXCOM.010CP1	11/404418	SILICONE BASED MEMBRANES FOR USE IN IMPLANTABLE GLUCOSE SENSORS	4/14/2006
DEXCOM.054A	11/404929	ANALYTE SENSING BIOINTERFACE	4/14/2006

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DEXCOM.021C1	11/410392	OXYGEN ENHANCING MEMBRANE SYSTEMS FOR IMPLANTABLE DEVICES	4/25/2006
DEXCOM.021DV1	11/410555	OXYGEN ENHANCING MEMBRANE SYSTEMS FOR IMPLANTABLE DEVICES	4/25/2006
DEXCOM.051CP1C1	11/411656	ANALYTE SENSOR	4/26/2006
DEXCOM.060A	11/413238	CELLULOSIC-BASED RESISTANCE DOMAIN FOR AN ANALYTE SENSOR	4/28/2006
DEXCOM.011DV3	11/415631	OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR	5/2/2006
DEXCOM.011DV1	11/416058	OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR	5/2/2006
DEXCOM.011DV2	11/416346	OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR	5/2/2006
DEXCOM.012CP1C2	11/416734	BIOINTERFACE MEMBRANES INCORPORATING BIOACTIVE AGENTS	5/3/2006
DEXCOM.012CP1C1	11/416825	BIOINTERFACE MEMBRANES INCORPORATING BIOACTIVE AGENTS	5/3/2006
DEXCOM.051CP3	11/439630	ANALYTE SENSOR	5/23/2006
DEXCOM.61CP3CP1	11/445792	ANALYTE SENSOR	6/1/2006
DEXCOM.027CP1	11/498410	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	8/2/2006
DEXCOM.51CP3CP1	11/503367	ANALYTE SENSOR	8/10/2006
DEXCOM.27CP1CP1	11/515443	SYSTEMS AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	9/1/2006
DEXCOM.088A	11/543396	ANALYTE SENSOR	10/4/2006
DEXCOM.088A3	11/543404	ANALYTE SENSOR	10/4/2006
DEXCOM.088A2	11/543490	ANALYTE SENSOR	10/4/2006
DEXCOM.038CP2	11/543539	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	10/4/2006
DEXCOM.038CP3	11/543683	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	10/4/2006
DEXCOM.038CP1	11/543707	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	10/4/2006

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DEXCOM.038CP4	11/543734	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	10/4/2006
DEXCOM.8DCP2CC1	11/546157	DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS	10/10/2006
DEXCOM.012DV1	11/654135	POROUS MEMBRANES FOR USE WITH IMPLANTABLE DEVICES	1/17/2007
DEXCOM.058CP1	11/654140	MEMBRANES FOR AN ANALYTE SENSOR	1/17/2007
DEXCOM.021CP1	11/675063	ANALYTE SENSOR	2/14/2007
DEXCOM.51CP1CP1	11/681145	ANALYTE SENSOR	3/1/2007
DEXCOM.61CP2CP1	11/690752	TRANSCUTANEOUS ANALYTE SENSOR	3/23/2007
DEXCOM.088CP3	11/691424	ANALYTE SENSOR	3/26/2007
DEXCOM.088CP1	11/691426	ANALYTE SENSOR	3/26/2007
DEXCOM.088CP2	11/691432	ANALYTE SENSOR	3/26/2007
DEXCOM.088CP4	11/691466	ANALYTE SENSOR	3/26/2007
DEXCOM.38CP1CP1	11/692154	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	3/27/2007
DEXCOM.61CP2CP4	11/734178	TRANSCUTANEOUS ANALYTE SENSOR	4/11/2007
DEXCOM.61CP2CP2	11/734184	TRANSCUTANEOUS ANALYTE SENSOR	4/11/2007
DEXCOM.61CP2CP3	11/734203	TRANSCUTANEOUS ANALYTE SENSOR	4/11/2007
DEXCOM.093A	11/750907	ANALYTE SENSORS HAVING A SIGNAL-TO-NOISE RATIO SUBSTANTIALLY UNAFFECTED BY NON-CONSTANT NOISE	5/18/2007
DEXCOM.27CP1CP3	11/762638	SYSTEMS AND METHODS FOR REPLACING SIGNAL DATA ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	6/13/2007
DEXCOM.028DV1	11/763215	SILICONE COMPOSITION FOR BIOCOMPATIBLE MEMBRANE	6/14/2007
DEXCOM.096A	11/855101	TRANSCUTANEOUS ANALYTE SENSOR	9/13/2007
DEXCOM.38CP1CP2	11/865572	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	10/1/2007
DEXCOM.025C1	11/865660	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	10/1/2007
DEXCOM.051A7C1	11/925603	TRANSCUTANEOUS ANALYTE SENSOR	10/26/2007

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DEXCOM.8DV1CPD2	12/037812	ANALYTE MEASURING DEVICE	2/26/2008
DEXCOM.8DV1CPD1	12/037830	ANALYTE MEASURING DEVICE	2/26/2008
DEXCOM.107A	12/054953	ANALYTE SENSOR	3/25/2008
DEXCOM.88CP1CP2	12/055078	ANALYTE SENSOR	3/25/2008
DEXCOM.106A	12/055098	ANALYTE SENSOR	3/25/2008
DEXCOM.88CP1CP1	12/055114	ANALYTE SENSOR	3/25/2008
DEXCOM.88CP1CP3	12/055149	ANALYTE SENSOR	3/25/2008
DEXCOM.88CP1CP4	12/055203	ANALYTE SENSOR	3/25/2008
DEXCOM.88CP1CP5	12/055227	ANALYTE SENSOR	3/25/2008
DEXCOM.024C1D2	12/098353	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/4/2008
DEXCOM.024C1D1	12/098359	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/4/2008
DEXCOM.024C1D3	12/098627	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/7/2008
DEXCOM.051A6C3	12/101790	TRANSCUTANEOUS ANALYTE SENSOR	4/11/2008
DEXCOM.051A9C1	12/101806	TRANSCUTANEOUS ANALYTE SENSOR	4/11/2008
DEXCOM.051A6C2	12/101810	TRANSCUTANEOUS ANALYTE SENSOR	4/11/2008
DEXCOM.016DV1	12/102654	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/14/2008
DEXCOM.016DV2	12/102729	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/14/2008
DEXCOM.016DV3	12/102745	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/14/2008
DEXCOM.034DV1	12/103594	BIOINTERFACE WITH MACRO- AND MICRO-ARCHITECTURE	4/15/2008
DEXCOM.050C1	12/105227	TRANSCUTANEOUS MEDICAL DEVICE WITH VARIABLE STIFFNESS	4/17/2008
DEXCOM.038CP3C1	12/111062	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	4/28/2008
DEXCOM.063C2	12/113508	LOW OXYGEN IN VIVO ANALYTE SENSOR	5/1/2008

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DEXCOM.063C1	12/113724	LOW OXYGEN IN VIVO ANALYTE SENSOR	5/1/2008
DEXCOM.094A2	12/133738	INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR	6/5/2008
DEXCOM.094A3	12/133761	INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR	6/5/2008
DEXCOM.094A4	12/133786	INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR	6/5/2008
DEXCOM.037CP1	12/133820	INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR	6/5/2008
DEXCOM.061A2DV1	12/137396	TRANSCUTANEOUS ANALYTE SENSOR	6/11/2008
DEXCOM.023RE	12/139305	ELECTRODE SYSTEMS FOR ELECTROCHEMICAL SENSORS	6/13/2008
DEXCOM.051A8C1	12/175391	TRANSCUTANEOUS ANALYTE SENSOR	7/17/2008
DEXCOM.032DV2	12/182008	INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR	7/29/2008
DEXCOM.032DV1	12/182073	INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR	7/29/2008
DEXCOM.032DV3	12/182083	INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR	7/29/2008
DEXCOM.025C1C2	12/195191	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	8/20/2008
DEXCOM.025C1C1	12/195773	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	8/21/2008
DEXCOM.045DV1	12/247137	IMPLANTABLE ANALYTE SENSOR	10/7/2008
DEXCOM.051CP3DV	12/250918	ANALYTE SENSOR	10/14/2008
DEXCOM.029DV2	12/252952	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/16/2008
DEXCOM.029DV5	12/252967	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/16/2008
DEXCOM.029DV1	12/252996	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/16/2008
DEXCOM.029DV6	12/253064	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/16/2008
DEXCOM.029DV3	12/253120	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/16/2008

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DEXCOM.029DV4	12/253125	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/16/2008
DEXCOM.098A	12/258235	SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA	10/24/2008
DEXCOM.099A2	12/258318	SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA	10/24/2008
DEXCOM.016CP1	12/258320	SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA	10/24/2008
DEXCOM.099A1	12/258325	SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA	10/24/2008
DEXCOM.27CP1CP4	12/258335	SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA	10/24/2008
DEXCOM.099A	12/258345	SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA	10/24/2008
DEXCOM.007C1DV1	12/260017	SENSOR HEAD FOR USE WITH IMPLANTABLE DEVICES	10/28/2008
DEXCOM.029C1	12/263993	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	11/3/2008
DEXCOM.38CPCPDV	12/264160	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	11/3/2008
DEXCOM.043DV1	12/264835	IMPLANTABLE ANALYTE SENSOR	11/4/2008
DEXCOM.88CPP5P6	12/267494	INTEGRATED DEVICE FOR CONTINUOUS IN VIVO ANALYTE DETECTION AND SIMULTANEOUS CONTROL OF AN INFUSION DEVICE	11/7/2008
DEXCOM.038CP5	12/267518	ANALYTE SENSOR	11/7/2008
DEXCOM.88CP1P1P	12/267525	ANALYTE SENSOR	11/7/2008
DEXCOM.88P1P1P2	12/267531	ANALYTE SENSOR	11/7/2008
DEXCOM.016CP2	12/267542	ANALYTE SENSOR	11/7/2008
DEXCOM.88CPP5P4	12/267544	ANALYTE SENSOR	11/7/2008
DEXCOM.88CPP5P5	12/267545	ANALYTE SENSOR	11/7/2008
DEXCOM.88CPP5P3	12/267546	ANALYTE SENSOR	11/7/2008
DEXCOM.88CPP5P2	12/267547	ANALYTE SENSOR	11/7/2008
DEXCOM.88CPP5P1	12/267548	ANALYTE SENSOR	11/7/2008
DEXCOM.051A12C1	12/273359	TRANSCUTANEOUS ANALYTE SENSOR	11/18/2008
DEXCOM.051C6	12/329496	TRANSCUTANEOUS ANALYTE SENSOR	12/5/2008
DEXCOM.038CP2C1	12/335403	DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR	12/15/2008

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DEXCOM.027DV1	12/353787	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	1/14/2009
DEXCOM.027DV2	12/353799	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	1/14/2009
DEXCOM.061C2	12/353870	TRANSCUTANEOUS ANALYTE SENSOR	1/14/2009
DEXCOM.051C7	12/359207	TRANSCUTANEOUS ANALYTE SENSOR	1/23/2009
DEXCOM.100A	12/362194	CONTINUOUS CARDIAC MARKER SENSOR SYSTEM	1/29/2009
DEXCOM.061CP2C3	12/364786	TRANSCUTANEOUS ANALYTE SENSOR	2/3/2009
DEXCOM.101A	12/365683	CONTINUOUS MEDICAMENT SENSOR SYSTEM FOR IN VIVO USE	2/4/2009
DEXCOM.102A2	12/390205	SYSTEMS AND METHODS FOR CUSTOMIZING DELIVERY OF SENSOR DATA	2/20/2009
DEXCOM.102A3	12/390290	SYSTEMS AND METHODS FOR BLOOD GLUCOSE MONITORING AND ALERT DELIVERY	2/20/2009
DEXCOM.102A1	12/390304	SYSTEMS AND METHODS FOR PROCESSING, TRANSMITTING AND DISPLAYING SENSOR DATA	2/20/2009
DEXCOM.061DV1	12/391148	TRANSCUTANEOUS ANALYTE SENSOR	2/23/2009
DEXCOM.051C10	12/393887	TRANSCUTANEOUS ANALYTE SENSOR	2/26/2009
DEXCOM.104A2	12/413166	POLYMER MEMBRANES FOR CONTINUOUS ANALYTE SENSORS	3/27/2009
DEXCOM.104A1	12/413231	POLYMER MEMBRANES FOR CONTINUOUS ANALYTE SENSORS	3/27/2009
DEXCOM.029DV8	12/424391	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	4/15/2009
DEXCOM.029DV7	12/424403	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	4/15/2009
DEXCOM.061A1C2	12/437436	TRANSCUTANEOUS ANALYTE SENSOR	5/7/2009
DEXCOM.029DV9	12/509396	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	7/24/2009
DEXCOM.075DV1	12/511982	SILICONE BASED MEMBRANES FOR USE IN IMPLANTABLE GLUCOSE SENSORS	7/29/2009

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DEXCOM.088CP4C1	12/535620	ANALYTE SENSOR	8/4/2009
DEXCOM.037DV1	12/536852	INTEGRATED DELIVERY DEVICE FOR CONTINUOUS GLUCOSE SENSOR	8/6/2009
DEXCOM.095A	12/562011	PARTICLE-CONTAINING MEMBRANE AND PARTICULATE ELECTRODE FOR ANALYTE SENSORS	9/17/2009
DEXCOM.029DV11	12/565156	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	9/23/2009
DEXCOM.029DV12	12/565166	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	9/23/2009
DEXCOM.029DV13	12/565173	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	9/23/2009
DEXCOM.029DV10	12/565180	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	9/23/2009
DEXCOM.029DV14	12/565199	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	9/23/2009
DEXCOM.032DV1DV	12/565205	INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR	9/23/2009
DEXCOM.029DV15	12/565231	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	9/23/2009
DEXCOM.029C2	12/577668	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/12/2009
DEXCOM.029C4	12/577690	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/12/2009
DEXCOM.029C3	12/577691	SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR	10/12/2009
DEXCOM.027C1	12/579339	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	10/14/2009
DEXCOM.027C3	12/579357	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	10/14/2009
DEXCOM.027C2	12/579363	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	10/14/2009
DEXCOM.027C7	12/579374	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	10/14/2009
DEXCOM.027C4	12/579385	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	10/14/2009

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DEXCOM.027C5	12/579388	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	10/14/2009
DEXCOM.027C6	12/579392	SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM	10/14/2009
DEXCOM.044DV1	12/608872	IMPLANTABLE ANALYTE SENSOR	10/29/2009
DEXCOM.040DV1	12/610127	COMPOSITE MATERIAL FOR IMPLANTABLE DEVICE	10/30/2009
DEXCOM.061CP3C1	12/610866	ANALYTE SENSOR	11/2/2009
DEXCOM.038C1	12/619502	CALIBRATION TECHNIQUES FOR A CONTINUOUS ANALYTE SENSOR	11/16/2009
DEXCOM.104C1	12/628095	POLYMER MEMBRANES FOR CONTINUOUS ANALYTE SENSORS	11/30/2009
DEXCOM.088CP3C2	12/630628	ANALYTE SENSOR	12/3/2009
DEXCOM.006C1C1	12/633578	MEMBRANE FOR USE WITH IMPLANTABLE DEVICES	12/8/2009
DEXCOM.025C1C3	12/633654	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	12/8/2009
DEXCOM.025C1C6	12/636473	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	12/11/2009
DEXCOM.025C1C9	12/636494	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	12/11/2009
DEXCOM.025C1C8	12/636540	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	12/11/2009
DEXCOM.025C1C5	12/636551	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	12/11/2009
DEXCOM.025C1C7	12/636574	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	12/11/2009
DEXCOM.025C1C4	12/636584	SYSTEMS AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	12/11/2009
DEXCOM.025RX	95/001038	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/17/2008
DEXCOM.024RX	95/001039	SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA	4/17/2008

### *Conclusion*

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejections of the claims and pass this application to issue. If it is determined that a telephone conference would expedite the prosecution of the application, the Examiner is invited to telephone the undersigned at the number provided below.

Any remarks in support of patentability of one claim should not be imputed to any claim, even if similar terminology is used. Additionally, any remarks referring to only a portion of a claim should not be understood to base patentability on that portion; rather, patentability must rest on each claim taken as a whole. Applicants respectfully traverse each of the Examiner's rejections and each of the Examiner's assertion regarding what the prior art shows or teaches, even if not expressly discussed herein. Although amendments have been made, no acquiescence or estoppel is or should be implied thereby. Rather, the amendments are made only to expedite prosecution of the present application, and without prejudice to presentation or assertion, in the future, of claims on the subject matter affected thereby.

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicants are not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicants reserve the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child, or related prosecution history shall not reasonably infer that Applicants have made any disclaimers or disavowals of any subject matter supported by the present application.

No fee is believed due with the filing of this document. However, in the event the U.S. Patent and Trademark Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the

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filing of this documents to Deposit Account No. 11-1410, of which the undersigned is an authorized signatory.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: December 22, 2009

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